

10710 Iron

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE.

The following is a true Account of the Particulars of the Machinery and Boilers:—

ENGINES.—Here state description of Engines, whether Direct Acting or Geared; Inverted, Horizontal, Diagonal, or Oscillating Cylinders; No. of Cylinders, &c.

Two Cylinders Inverted Direct-Acting

ENGINES, maker of *J. Thompson & Co*
 „ age of *10 years*
 „ last time taken out
 „ present condition *good*
 Diameter of Cylinder *4 1/2 inches*
 Length of stroke *30 inches*
 No. per minute of Engines *50 to 60*
 „ of Screw *same*
 Estimated power *100 HP*
 Effective power *about 380 HP*
 Diameter of Screw (or Paddle Wheels) *11 feet*
 Pitch of Screw *16*
 No. of Blades (or Floats) *Three*
 Description of Screw (or Floats) *Ordinary*
 Holding down Bolts, size *1 3/4 inches*
 „ present condition *good*

Bilge Pumps, No. (*2*) and size *4 inches*
 Feed „ No. (*2*) and size *4 inches*
 Spare gear, if usual quantity on board Vessel
 Fuel, where stowed *at side of E & B & athwart ship bunkers*
 „ space between Coal Bunkers } *6 ft in front 6 inches at sides*
 and Boilers
 „ for what quantity is space provided *250 tons*
 Donkey Engine and Boiler *Euphrate Cylindrical*
 „ if fitted in Engine Room or } *on Deck*
 on Deck
 „ can pump be worked by hand *Yes*
 „ size of pump (*6*) and stroke *14*
 „ is hose of sufficient length to } *Yes*
 reach every part of the Vessel
 No. () and continuation of hand pumps, if fitted in Engine Room

BOILER.—Here state description of Boiler, and No.; if Tubular, or Flues; No. of Furnaces; if fitted with superheating apparatus; if Fired athwartships, or from fore, or after end of Boiler, &c.

One Boiler multitubular. 4 furnaces fired fore and aft from forward end with uptake passing through Steam chest—

BOILER, maker of *J. Thompson & Co*
 „ age of *10 years*
 „ when last taken out
 „ present condition *Just repaired*
 „ working pressure *15 lbs.*
 No. of surface Blow off Cocks to } *One Surface. One Blow off.*
 each Boiler

Can each Boiler be used separately
 What clear space between top of } *3 feet*
 Boiler and woodwork
 What clear space between Funnel } *not near Woodwork*
 and woodwork
 Are Engine and Boiler Keelsons } *Continuous*
 well connected fore and aft

CREW SHAFT length *60 ft* diameter *8* Tunnel, thickness of plating *5/16* height *4 feet*
 width *3 feet* if water-tight door on Engine Bulkhead. *no communication from Engine room & tunnel*

Port *Dublin* *7th* day of *October* 1872

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (~~or Wood~~) Screw (~~or Paddle~~) Steam Vessel *"Conceira"* belonging to *Palgrave & Co* whereof *Beaton* is Master, *504* Tons Register, and *100* H.P. have been carefully inspected and examined by *us* at *Dublin* and *we* found the same, at this date, in good order and safe working condition.

Bewley Webb & Co

Port of Dublin Shipyard

Marine Engineers.